

FIG. 1

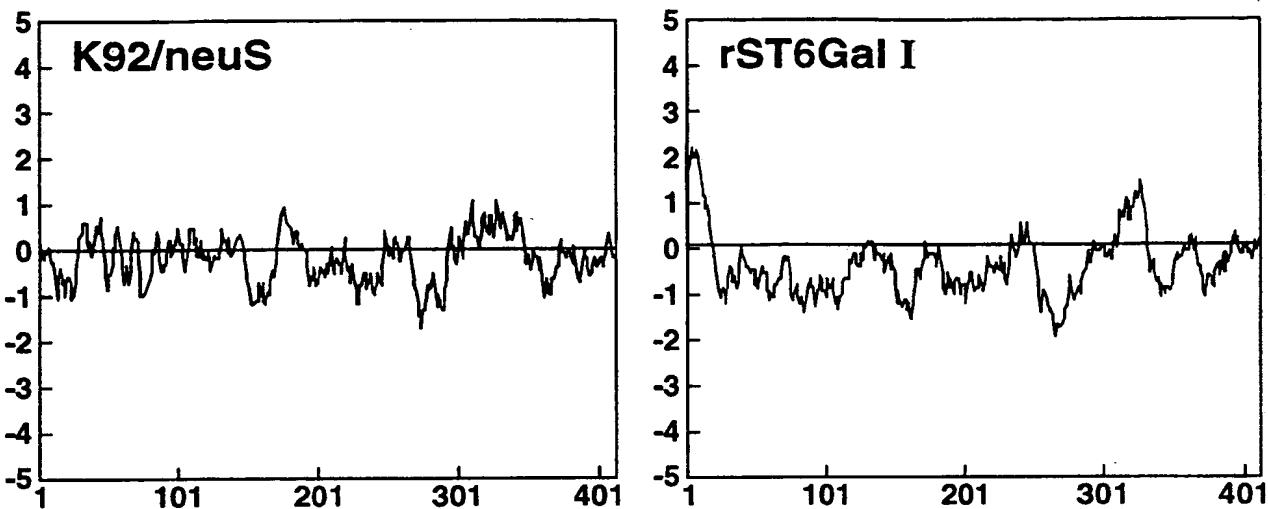


FIG. 2A

Membrane bound α 2,8/2,9-polysialyltransferase

NH₂ — COOH

Membrane protein

Key:

- Frist transmembrane domain (177-195)
- Second transmembrane domain (327-343)
- Hexameric histidine

FIG. 2B

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FIG. 3

FIG. 4A

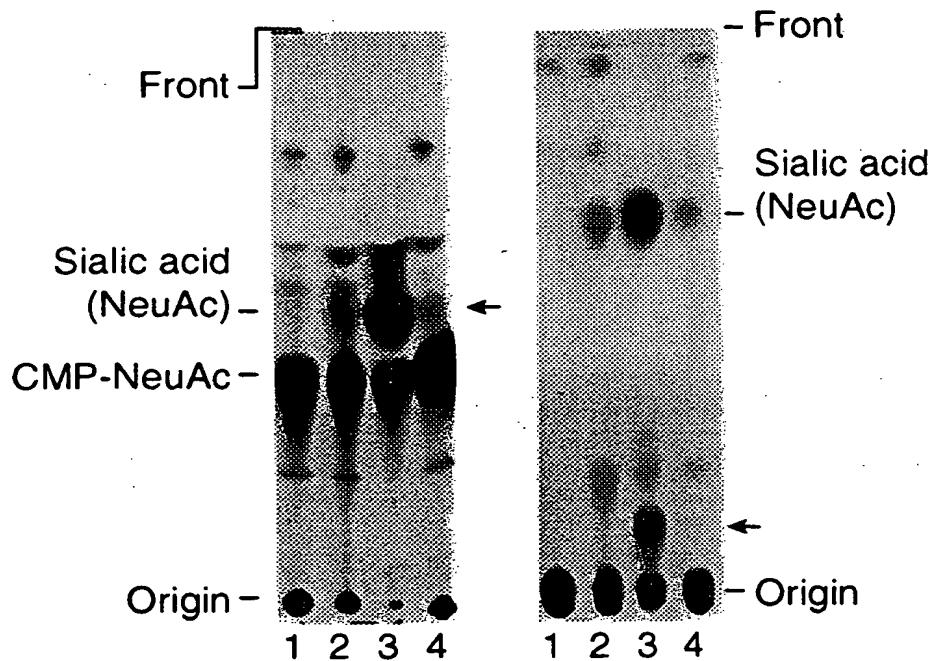
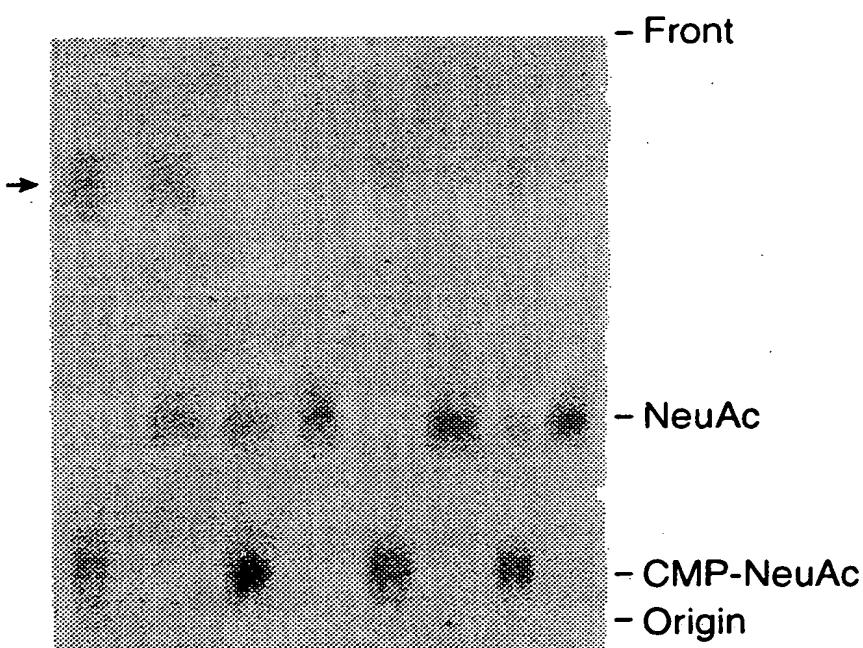


FIG. 4B

FIG. 4C



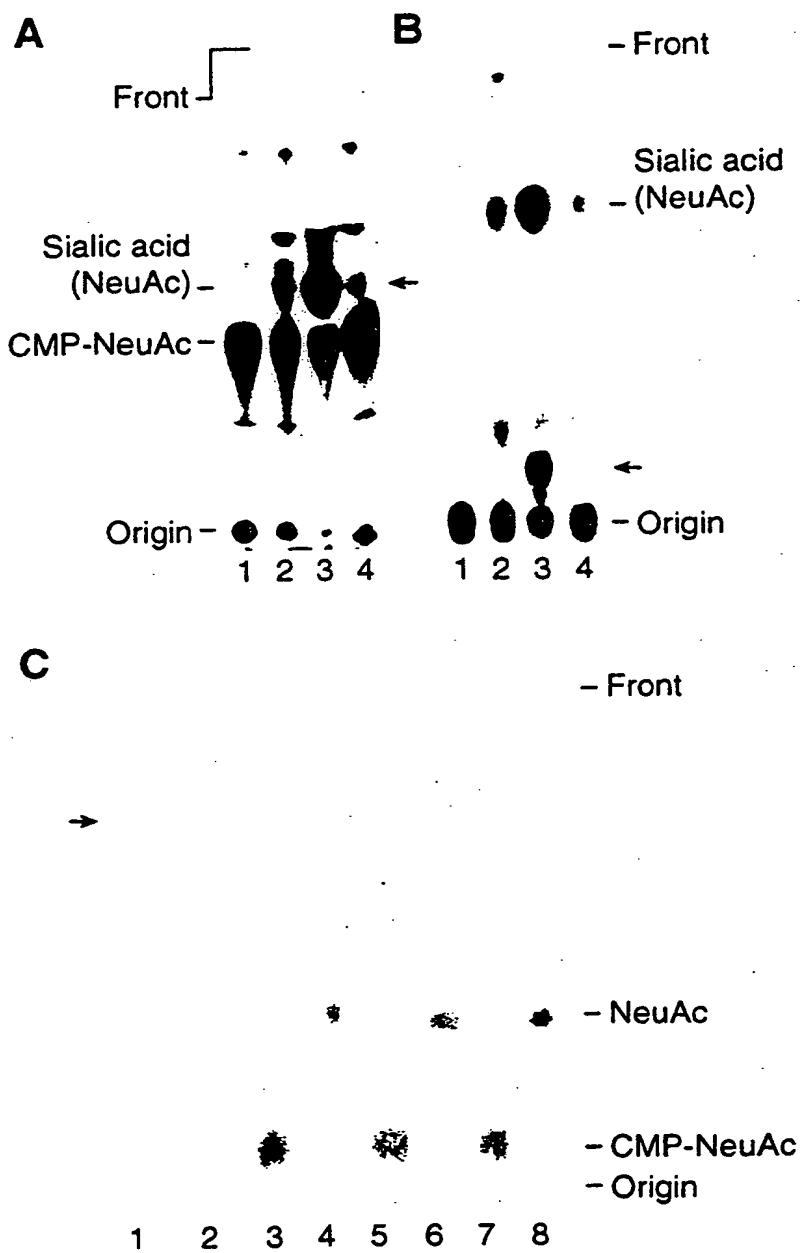


FIG. 4

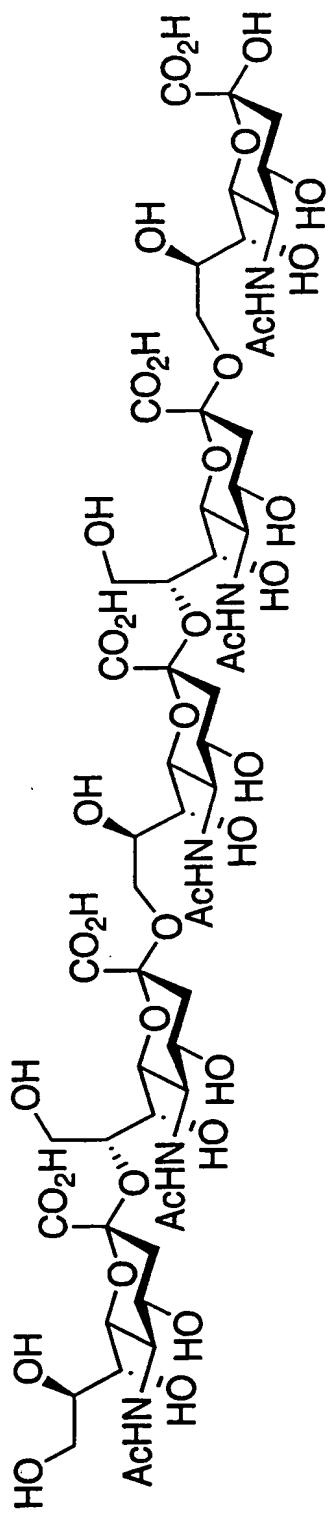
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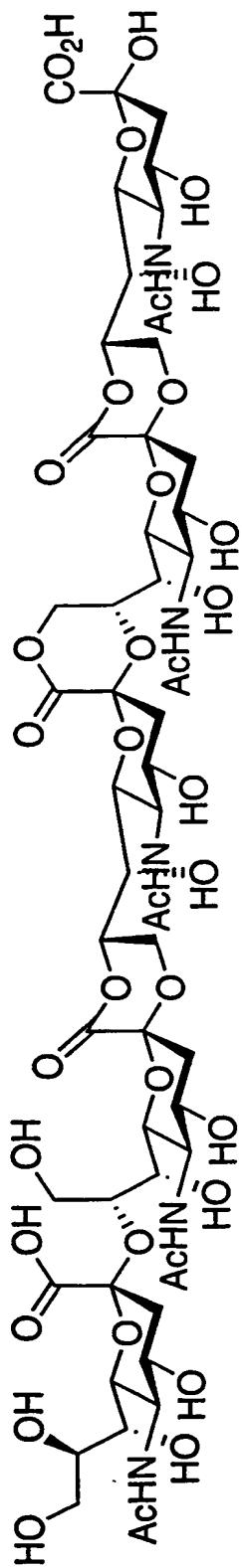
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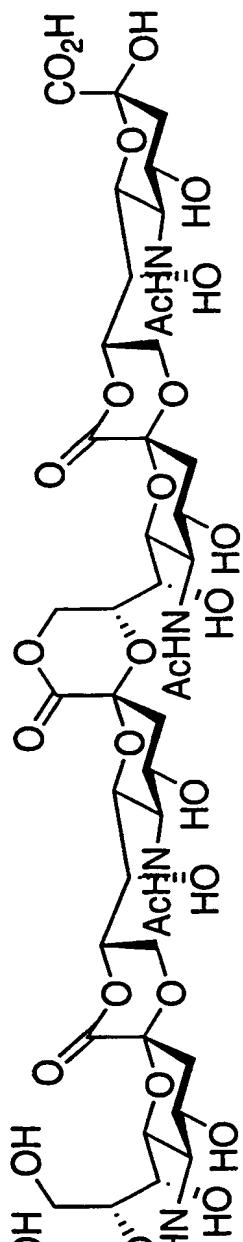
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I
 $C_{55}H_{87}N_5O_{41}$
Exact Mass: 1473.49



II
 $C_{55}H_{81}N_5O_{38}$
Exact Mass: 1419.46



III
 $C_{55}H_{81}N_5O_{38}$
Exact Mass: 1419.46

FIG. 5